

# MULTICAST ROUTING IN AD-HOC NETWORKS

## ABSTRACT OF THE INVENTION

Multicast routing in ad-hoc networks by exchange of multicast group update information and routing tree information among neighboring routers is disclosed. A router propagates multicast group update information based on the update information and the routing tree information. A router also determines whether to forward multicast data packets based on control information in the multicast data packets and the routing tree information.